



**ISOSTATIC**  
LEADERS IN BRONZE BEARINGS...and MORE

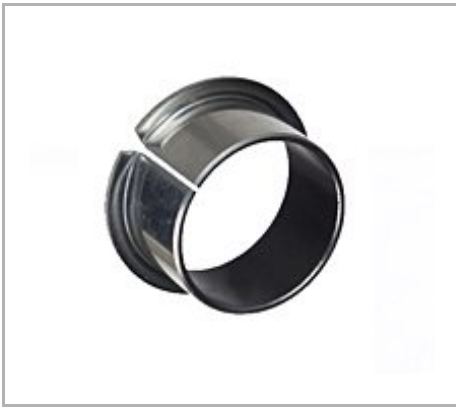
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## Item # 506022, TP® Lead Free Steel-Backed PTFE Lined Flange Bearings - INCH

### Isostatic TP® Flange Bearings

- Standard stock products
- Self-lubricating dry sliding bearing
- A steel-backed composite material comprised of:
  - Low carbon steel backing for extremely high load capacity - .50 – 2.7 mm thick
  - Sintered bronze offers optimal heat dispersion – .20 - .35 mm thickness and
  - PTFE – lead free sliding surface creates a low friction coefficient and allows for a wide temperature range – thickness .2 mm
- Can be used where many liquid lubricants fail; also performs well with

[+ more](#)



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### Description

#### Detailed Description

1 IN I.D. x 1.125 IN O.D. x 0.7500 IN Length, TP, Lead Free Steel Back, PTFE Lined Composite, Flange Bearing

### Specifications

|                          |                             |
|--------------------------|-----------------------------|
| <b>Catalog Number</b>    | 16FTP12                     |
| <b>Interchange #</b>     | 16FDP412                    |
| <b>Unit of Measure</b>   | Each                        |
| <b>Material</b>          | Lead Free Steel-Backed PTFE |
| <b>Material Standard</b> | Lead Free Steel-Backed PTFE |

|                        |                |
|------------------------|----------------|
| <b>Avg Unit Weight</b> | 0.0468 lb      |
| <b>UPC Code</b>        | 00846802079314 |

## Dimensions

|                                      |                    |
|--------------------------------------|--------------------|
| <b>Nominal Inner Diameter</b>        | 1 in               |
| <b>Nominal Outer Diameter</b>        | 1 1/8 in           |
| <b>Nominal Length</b>                | 3/4 in             |
| <b>Flange Nominal Outer Diameter</b> | 1 3/8 in           |
| <b>Flange Nominal Thickness</b>      | 1/16 in            |
| <b>Recommended Housing Bore</b>      | 1.1246 to 1.256 in |
| <b>Recommended Shaft Size</b>        | .9979 to .9991 in  |

## Tolerances

|                                   |                 |
|-----------------------------------|-----------------|
| <b>Overall Length Tolerance</b>   | ±.01 in         |
| <b>Flange Diameter Tolerance</b>  | ±.02 in         |
| <b>Flange Thickness Tolerance</b> | .060 to .068 in |

## Performance Data

|                                                       |                            |
|-------------------------------------------------------|----------------------------|
| <b>Load - P Max Value</b>                             | 36,250 lb/in <sup>2</sup>  |
| <b>Speed - V Max Value</b>                            | 1,900 ft <sup>2</sup> /min |
| <b>Load at Speed - PV Max Value (P.S.I. / S.F.M.)</b> | 102,000                    |